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175 TGAATTCACCCCGCAACACCTCTTACACAGCCGCGCAGCTGCACA 224
55 Glutylalaser.....Tr 59
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225 GACAGCTACTCCAGTGCATGTTTCCAGTGGGTTTTTGGAGGCCAGTG 274
59 pLeuglGluGlnProGlnPheTrpSerLysThrGlnValLeuAspTrpI 76
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275 GCATGAATTCATCTCAGTACTGACCACTGACCAAGTGTGGAGGTGC 324
76 leSerTrpGlnValGluLysAsnLysTrpAlaSerAlaIleAspPhe 92
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325 TCCAGCACCTCTGACACCAACGATGATGATTTGATCCTTTC 374
93 SerArgcysAspMetAspGlyAlaThrLeucLysAsnLysAlaLeuGlu 109
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375 CAAGAGTTCGACATCAACGCGGAGCAGCTCTGACAGCATGATTTGCAGA 424
109 uLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAlaGlnLeuA 126
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425 GTTCACCCGCGCGCAGGAGCGGCGGCGCAGCTCTTACAGCAACTTGC 474
126 rgaAspLeuThr.....SerSerSerAspGluLeuSerTrpIle 139
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475 AGCATCTGAAGTGAACGCGCCAGTGCAGTACTGAC..... 509
140 IleGluLeuLeuGluLysAspGlyMetAlaPheGlnGlnAlaLeuAspPr 156
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510 .....CTGTTCCAGTCC..... 521
156 oGlyProPheAspGlnGlySerProPheAlaGlnGluLeuAspAspG 173
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173 LysGlnAlaSerProThrHisProGlySerCysGlyAlaGlyAlaPro 189
544 CTGAACAACAGAGCT..... 560
190 SerProGlySerSerAspValSerThrAlaGlyThrGlyAlaSerArgSe 206
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561 .....TCCATCATGAACACCTGGAAGACGAGA 589
206 rSerHisSerSerAspSerGlyGlySerAspValAspLeuAspProThra 223
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590 CTATTATATGACACCAACTAGTGTAGACAGTGAATTGG.....TTGG 633
223 spGlyLysLeuPheProSerAspGlyPheArgAspCysLysLys..... 237
634 ACAGCAAAACTTTC.....TCCGCGGCTCAGATC 662
238 .....GlyAspProLysHisGlyLys 244
663 TCCATGACAAACACGACGCTTCTCTGACAGAGTCACCTGATATGAA 712
244 sArgLysArgGlyArgProArgLysLeuSerLysGlyTrpTrpAspCysL 261
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713 AAAGGAGCAAAACCCCTGCCAAGTGCACACCAAA..... 749
261 euGluGlyLysLysSerLysHisAlaProArgGlyThrHisLeuTrpGlu 277
750 .....AAGCAAAACCGAGAGGAGACTGACTTAAAGGAA 782
278 PheIleArgAspIleLeuIleHisProGluLeuAsnGlnGlyLeuMetLys 294
   ||::: ||::: ||::: ||::: ||::: ||::: ||::: ||::: ||
783 TTCATCCGCGCATCTCTTGAACCAACAGAAACCCAGATTAATATAA 832
294 sTrpGluAsnArgHisGluGlyValPheLysPheLeuArgSerGluAlaVal 311
   ||::: ||::: ||::: ||::: ||::: ||::: ||::: ||::: ||
833 ATGGAGAGACCGATCTGAGGCGCTTTCAGGTCTTGAATCAGAGCGAG 882
311 aAlaGlnLeuTrpGlyGlnLysLysAsnSerAspMetThrTrpGlu 327
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883 TGCTCAGCTATGGGTAAAGAAACAGACGATGATGATGAA 932
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328 LysLeuSerArgAlaMetArgTyrTyrTyrLysArgGluIleLeuGluAr 344
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933 AAGCTCAGCCGAGATGATGATATTAACAAGAAAGAAATACGTGAGCG 982
344 gValAspGlyArgArgLeuValTyrTyrLysPheGlyLysAsnSerSerGlyT 361
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983 TGTGTATGAGCAAGACACTGATATATAATTGGCAAGAAATGCCGAGGAT 1032
361 rPlyGluGluGlu 365
1033 GGAGGAAATGAA 1046
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seq_name: /cgn2_6/prodata/2/lna/6A_COMB.seq:us-09-009-913-3

seq_documentation_block:

; Sequence 3, Application US/09009913

; Patent No. 6087485

; GENERAL INFORMATION:

; APPLICANT: Axy's Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma Related Genes

; NUMBER OF SEQUENCES: 339

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Bozicevic & Reed, LLP

; STREET: 285 Hamilton Ave, Suite 200

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; FILING DATE: 21-JAN-1998

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Sherwood, Pamela J

; REGISTRATION NUMBER: 36,677

; REFERENCE/DOCKET NUMBER: SEQ-4P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-327-3231

; TELEFAX: 650-327-3231

; TELEX:

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5510 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-09-009-913-3

alignment_scores:

Quality: 555.50 Length: 322

Ratio: 2.939 Gaps: 8

Percent Similarity: 58.696 Percent Identity: 39.130

alignment_block:

US-08-978-217-2 x US-09-009-913-3 ..

Align seg 1/1 to: US-09-009-913-3 from: 1 to: 5510

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356 TGCACTGAATTCATCTCAGTACTGACCAAGTACCAAGGTGTGGAGGTG 405
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75 pIleSerTyrGlnValGlnLysLysnLysTyrAspLysAlaLeuAsp 92
406 GCTCCAGCACTCTCTGGACACCAACGAGTGGATGGCAATTATATCCCTT 455
92 hSeSerTgCysAspMeTAspGlyAlaThrLeuCysAsnGlyAlaLeuGln 108
456 TCCAAGAGTTCCAGATCAACAGGGGAGACACCTCTCGAGCATGAGTTTGGAG 505
109 GlnLeuArgLeuValPheGlyProLeuGlnAspGlnLeuHisAlaGlnLe 125
506 GAGTTTACCCGGGGCGGACGGAGCGGGGGGAGCTCTCTACAGCAACTT 555
125 uArgAspLeuThr.....SerSerSerSerAspGluLeuSerTrpI 139
556 GCAGCATCTGAACTGGACAGCCGACAGTCAGTATGATGC..... 592
139 LeuLeuLeuLeuGlnGlyAspGlyMetAlaPheGlnGlnAlaLeuAsp 155
593CTGTCCAGTCC..... 604
156 ProGlyProPheAspGlnGlySerProPheAlaGlnGlnLeuLeuAspAs 172
605ACACAAAGTCATTTGTCA 624
172 pGlnGlnGlnAlaSerProTyrHisProGlySerGlyAlaGlyAlaP 189
625 GACTGACAAACGAGCCTT..... 643
189 roSerProGlySerSerAspAlaSerThrAlaGlyThrGlyAlaSerArg 205
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206 SerSerHisSerSerAspSerGlyGlySerAspValAspLeuAspProth 222
671 AACTATTATTATGACACCAACTATGTTGATACACAGTGTGATTTC.....TT 714
222 rAspGlyLysLeuPheProSerAspGlyPheArgAspCysLysLys... 237
715 GGACACCAAAACTTTC.....TCCCGGGCTCAGA 743
238GlyAspProLysHisGly 243
744 TCTCACATGACACACCACTACACTCTCTCTGGACAGATCCACTGATATG 793
244 LysArgLysArgGlyArgProArgGlyLysLeuSerLysGlnTyrTrpAspCy 260
794 AAAAAGAGCAAGACCCCTCGCAAGTCCACACCAAA..... 832
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310 aValAlaGlnLeuTrpGlyGlnLysLysLysAsnSerAsnMetThrTyrG 327
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seq_documentation_block:
? Sequence 4, Application US/09009913
? Patent No. 6087485
? GENERAL INFORMATION:
? APPLICANT: Axys Pharmaceuticals, Inc.
? TITLE OF INVENTION: Asthma Related Genes
? NUMBER OF SEQUENCES: 339
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Bozicevic & Reed, LLP
? STREET: 285 Hamilton Ave, Suite 200
? CITY: Palo Alto
? STATE: CA
? COUNTRY: USA
? ZIP: 94301
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: DOS
? SOFTWARE: FastSeq for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/009,913
? FILING DATE: 21-JAN-1998
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER:
? FILING DATE:
? ATTORNEY/AGENT INFORMATION:
? NAME: Sherwood, Pamela J
? REGISTRATION NUMBER: 36,677
? REFERENCE/DOCKET NUMBER: SEQ_4P
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 650-327-3231
? TELEFAX: 650-327-3231
? TELEX:
? INFORMATION FOR SEQ ID NO: 4:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 5667 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? US-09-009-913-4
alignment_scores:
? Quality: 555.50 Length: 322
? Ratio: 2.939 Gaps: 8
Percent Similarity: 58.696 Percent Identity: 39.130
alignment_block:
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513 TGGCATGAAATTCATCTCCTCAGTACTGGACCAAGTACCAAGGTGGGGGTG 502
||||:||||:||||:||||:||||:||||:||||:||||:||||:||||
75 TTLeSerTyrgInValGluTyrAsnLysTyrAspAlaSerAlaIleAsp 92
||||:||||:||||:||||:||||:||||:||||:||||:||||:||||
563 GCTCCAGCACCCCTCCGGACACCAACCAAGCTGATGCCAATTGATCCCTT 612
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92 hSeSerArgCysAspMetAspGlyAlaThrIleuCysAsnCysAlaLeuGln 108
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613 TCCAGAGAGTTCACATCAACAGCGAGCACCTCTCAGCATGATGATTCGAC 662
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109 GluLeuArgLeuValPheGlyProLeuGlyAspIleuThrAspIleGlnLe 125
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663 GAGTTACCCGGCGGCGAGGCGGCGGCGAGCTCCTTACACAGCAACTT 712
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750 .....CTGTTCCAGTCC..... 761
156 ProGlyProPheaspGlnGlySerProPheAlaGlnGluLeuLeuaspas 172
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762 .....ACACACATGTCATGTCAA 781
172 pGlyGlnGlnAlaSerProTyRHisProGlySerCysGlyAlaGlyAlaP 189
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189 roSerProGlySerSeraspValSerThrAlaGlyThrGlyAlaSerArg 205
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801 .....TCCATCATGAACACCTGGAAGACGAG 827
206 SerSerHisSerSeraspSerGlyGlySeraspValaspLeuaspProTh 222
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828 AACATTTATATGACACCAACTATGTAGCACAAGTATGTTG.....TT 871
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872 GGCACGCAAAACTTTC.....TCCCGGCTCAGA 900
238 .....GlyaspProLysHisGly 243
901 TCCTCATGACACACCACTACCTCTCTGTCAGAGATCACCCTGATATG 950
244 LysArgLysArgGlyArgProArgLysLeuSerLysGluTrpArgPcy 260
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951 AAAAGGAGGAGAGACCCCTGCCCAAGTGCACACCA..... 989
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990 .....AAGCAACCGAGAGGAGCTACTTATGAG 1020
277 LuPheIleArgaspIleLeuIleHisProGluLeuasnGluGlyLeuMet 293
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1021 AATTCATCCCCGACATCTCTTGAACCCAGACAAACCCAGATTAATA 1070
294 LysTrpGluAsnArgHisGluGlyValPheLysPheLeuArgSerGluAl 310
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1071 AAATGGAAACCGATCTGAGGCGCTTCAAGTCTTGAATATGAGAGC 1120
310 aValAlaGlnLeuTrpGlyGlnLysLysLysAsnSerAsnMetThrTyrg 327
      |||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||
1121 AGTGGCTCAGCTATGGGTTAAAAAGAAACACACAGCATGACTGATATG 1170
327 LuLysLeuSerArgAlaMetArgTyRTrpTyRTrpLysArgGluIleLeuGln 343
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1171 AAAAGCTCACCGCGATGATGATATACATAAAGAAATGACTGAG 1220
344 ArgValaspGlyArgArgLeuValTyRTrpPheGlyLysAsnSerSerG 360
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seq_documentation_block:
; Sequence 338, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axyx Pharmaceuticals, Inc.

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; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 338:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 848 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..848
; OTHER INFORMATION:
; US-09-009-913-338

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118 AGCCAGTGGCATGAATACACCTCAGTACTGACCAAAATACCGAGGTGTG 167
73 uAsPTrPLeSerTyRgInValGlnLysAsnLysTyRAspAlaSerAlaI 90
      :~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||
168 GGAATGGCTGCAGACCTCTGCGACACCAACCACTGACCTGAGTGTCA 217
90 leAsPheSerArgCysAsnMetAspGlyAlaThrLeuCysAsnGlyAla 106
      |||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||
218 TCCCTTCCAGAGAGTTGACATATAGCGGAGAAACACTGTGACGATGAGT 267
107 LeuGlnGluLeuArgLeuValPheGlyProLeuGlnLysaspGlnLeuHisAl 123
      |||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||~::~|||
268 CTCGAGGAGTTACAGAGGCGCAGAGCTCACTGGGCGAGCTGCTTACAG 317
123 aGlnLeuArgaspLeuThr.....SerSerSerSeraspGluLeu 137
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318 CAACCTACAGCATCTCAAGTGAAGCGCCAAATGCAAGAGTACCTTTTCC 367

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154  LeuAspProGIyPhePheAspGIuGIySerPheAlaGIuLeuLe 170
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403  ACCGATCT.....TCCATCAT 419
170  uAspAspGIyGIuLaIaSerProGIyRHSProGIySerCysGIyLaIa 187
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420  GAACACATGGAAGAAAGAAACTATCTCTATGATCCACGATAGTGA 469
187  LyAlaProSerProGIySerSerAspValSerThraIaGIyThraIa 203
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    ::::::::::::::::::::
520  ACAACCTCCAGTCACCTTCCAGTTGGCAGAGTCACCTGATATG..... 561
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561  ..... 561
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712  AGGTTCTGAGTGAAGCTGTGGCTCAGCTGTGGGGGAAAAAGAAAA 761
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762  TAAACAGTAGCATGACATAGAGAAAGTCAAGCCGGCGTATGAGATATCT 811
337  yLysArgGIuLysLeuGIuArgValaAspGIyArg 348
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seq_documentation_block:
: Sequence 8, Application US/09009913
: Patent No. 6087485
: GENERAL INFORMATION:
: APPLICANT: AXYS Pharmaceuticals, Inc.
: TITLE OF INVENTION: Asthma Related Genes
: NUMBER OF SEQUENCES: 339
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Bozicevic & Reed, LLP
: STREET: 285 Hamilton Ave, Suite 200
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94301
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0

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: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/009,913
: FILING DATE: 21-JAN-1998
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Sherwood, Pamela J
: REGISTRATION NUMBER: 36,677
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-327-3231
: TELEFAX: 650-327-3231
: TELEX:
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2280 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-09-009-913-8

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Quality: 422.00 Length: 308
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Percent Similarity: 52.597 Percent Identity: 29.221

alignment_block:
US-08-978-217-2 x US-09-009-913-8 ..
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    || ::::::::::::::::::::
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356 GAGTTCCTCGAGGACGCTGCTCTGGGGGAGTACCTGTACTTCAATCT 405
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421 ..... 421
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422 .....CAAGTTACTTCCTTTTAATGAGCGTGAAGAAAGCAAGGCCAC 465
175 nAlaSerProTrpHISerProGIySerCysGIyAlaGIyAlaProSerPro 192
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192 LysSerAspValSerThraIaGIyThraIaLysArgSerSerHIS 208
494 .....TTGAAGACAGTGGCATC...AAAGTCAAGCTGTGCAC 529
209 SerSerAspSerGIyLysSerAspValAspLeuAspProThraSpGIy 225
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530 AGT.....532
225 sLeupheProSerAspGlyPheArgAspCysLysGlyAspProLysH 242
532 .....532
242 IsGlyLysArgLysArgGlyArgProArgLysLeuSerLysGlyTyrTrp 258
532 .....532
259 AspCysLeuGluGlyLysLysSerLysHisAlaProArgGlyThrHisLe 275
533 .....CATAGTAGAACAAGCCTCCAAAGTTCATCT 564
275 UTPrGluPheIleArgAspIleLeuIleHisProGluLeuAsnGluGlyL 292
|||||.....| 564
565 ATGGGAATTTCTAGACAGCCTGCTTCTATCTCCGAGAAACACGTGGCA 614
292 eUeLysTPrGluAsnArgHisGluGlyAlaPheLysPheLeuArgSer 308
|||||.....| 664
615 TTCTGGAATGGGAAGATAGGAGAACAGAAATTTTCGGGTGTTAAATCG 664
309 GluAlaValAlaGlnLeuTrpGlyGlnLysLysAsnSerAsnMetH 325
|||||.....| 714
665 GAACCCCTGGCAAGATGTGGGACAAAGAAAGAAATGACAGAAATGAC 714
325 rTyGluLysLeuSerArgAlaMetArgTyrTyrLysArgGluIleL 342
|||||.....| 764
715 GTATGAAAGTGGACAGAGCCCTGAGATCTACTATTAACAGAAATTT 764
342 eUGluArgValAspGlyArgArgLeuValTyrLysPheGlyLysAsnSer 358
|||||.....| 811
765 TGGAGCCGGGTTGAC...CGAAGTTAGTGTACAAATTTGGAATAATGCA 811
359 SerGlyTPrLysGluGluGluVal 366
|||||.....| 835
812 CACGGGTGGCGAAGACACAGCTA 835

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seq_name: /cgn2_6/prodata/2/lna/6A_COMB.seq:US-09-009-913-6

seq_documentation_block:

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: Sequence 6, Application US/09009913
: Patent No. 6087485
: GENERAL INFORMATION:
: APPLICANT: Axy's Pharmaceuticals, Inc.
: TITLE OF INVENTION: Asthma Related Genes
: NUMBER OF SEQUENCES: 339
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Bozicevic & Reed, LLP
: STREET: 285 Hamilton Ave, Suite 200
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94301
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/009,913
: FILING DATE: 21-JAN-1998
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Sherwood, Pamela J
: REGISTRATION NUMBER: 36,677
: REFERENCE/DOCKET NUMBER: SEQ-4P
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-327-3231
: TELEFAX: 650-327-3231

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: TELEX:
: INFORMATION FOR SEQ ID NO: 6:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2428 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-09-009-913-6

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alignment_scores:
  Quality: 422.00      Length: 308
  Ratio: 2.605        Gaps: 5
  Percent Similarity: 52.597  Percent Identity: 29.221

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alignment_block:

US-08-978-217-2 x US-09-009-913-6 ..

Align seg 1/1 to: US-09-009-913-6 from: 1 to: 2428

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354 TGGACATCAGTCCACCTGAAATCTGAGCTAAGCCCATGTGTGGAGTG 403
75 PLeSerTyrGlnValGluLysAsnLysTyrAspAlaSerAlaIleAsp 92
|||||.....| 453
404 GCTCAGTTCTGCTGCGACAGCAGTACAACTGGAGACCAATTGCATCTCT 453
92 hEserArgCysAspMetAspGlyAlaThrLeuCysAsnCysAlaLeuGlu 108
|||.....| 503
454 TCTGCAACTTCACATCAGTGGCTGCGACGCTGCGACGATGACACAGGAG 503
109 GluLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAlaGlnLe 125
|||||.....| 553
504 GAGTTCGTCGAGGCGAGCTGCTGCGGCGAGTACTGTACTTCTATCTCT 553
125 uArgAspLeuThrSerSerSerSerAspGluLeuSerTrpIleLeuGluL 142
|||||.....| 569
554 CCAGACATCCGCACA.....569
142 eUeLysGluLysAspGlyMetAlaPheGlnGluAlaLeuAspProGlyPro 158
569 .....569
159 PheAspGlnGlySerTrpPheAlaGlnGluLeuLeuAspAspGlyGlnG 175
|||||.....| 613
570 .....CAAGGTACTCTCTTTTAAATGACGCTGAAGAAAGCAAGCCGAC 613
175 nAlaSerProTyrHisProGlySerCysGlyAlaGlyAlaProSerProG 192
|||.....| 641
614 CATCAAAAGCTATGCTGATTCCAACTGC.....641
192 LysSerSerAspValSerThrAlaGlyThrGlyAlaSerArgSerSerHis 208
|||||.....| 677
642 .....TTGAAACAAGTGGCATC...AAAAGTCAGACAGCTGTCAC 677
209 SerSerAspSerGlyLysSerAspValAspLeuAspProThrAspGlyL 225
|||.....| 680
678 AGT.....680
225 sLeupheProSerAspGlyPheArgAspCysLysGlyAspProLysH 242
680 .....680
242 IsGlyLysArgLysArgGlyArgProArgLysLeuSerLysGlyTyrTrp 258
680 .....680
259 AspCysLeuGluGlyLysLysSerLysHisAlaProArgGlyThrHisLe 275
|||||.....| 712
681 .....CATAGTAGAACAAGCCTCCAAAGTTCATCT 712

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STATE: Pennsylvania
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/368,281
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baumeister, Kirk
REGISTRATION NUMBER: 33,833
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5096
TELEFAX: 610-270-5090
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-368-281-3

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alignment_scores:
Quality: 242.00      Length: 195
Ratio: 2.262         Gaps: 6
Percent Similarity: 54.872   Percent Identity: 32.308

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alignment_block:

US-08-978-217-2 x US-08-368-281-3 ..

Align seg 1/1 to: US-08-368-281-3 from: 1 to: 3240

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506 AGCCCTGCTTCATATGGAATCTCTACCTGCTGAGGAGATTCAAGAGTC 555
203 .....AlaSerArgSerSerHisSerSerAsps 212
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
556 CTGAATTCATCATGCTGCTATGAGCCAGATGTCATACAGAACTGTA 605
212 erGlyGly SerAspValAspLeuAspProThrAspGlyLysLeuPhe 228
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
606 GTGAGGTGTCACCTGAAGAGTCTGAACCCATGATACCTCTCTATTC 655
228 oSer.....AspGlyPheArgAspCysLysLys..... 237
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
656 ACATCATCCAGATAGCCATGACCAATGAAAGAAAAAGTTGGCCGTA 705
238 .....GlyAspProLysHisGly 243
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
706 AACCAAGACCCAGCAATCACCAATTTCAATGGTCTCTGAGTAGGT 755
244 LysArgGlySerGlyArgProArgLysLeuSerLysGlyTyrTrpAsp 260
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
756 ATAAAGAAAGAACCAAGA..... 773
260 sLeuGlyGlyLysSerLysHisAlaProArgGlyThrHisLeuTrp 277
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
774 .....GAAGAAAGAAACACA.....ACCTATTTTGGGG 804
277 LuPheLeuArgAspIleLeuIleHisProGlyLeuLysGlyLeuMet 293
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
805 AGTTCTTTTATGATCTACTCAAGATAAATAAFACTTCTCCAGTATAT 854
294 LysTrpGlyAsnArgHisGlyGlyValPheLysPheLeuArgSerGlu 310
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
855 AATGAGCTCAGAGAGAAAAAGCATATTCACGTGCTGATTCAGAGGC 904

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310 aValAlaGlnLeuTrpGlyGlnLysLysAsnSerAsnMetThrTrg 327
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
905 TGTCTCAAGCTTTGGGAGAGACATAAGAACAAACAGACATGACTATG 954
327 LuLysLeuSerArgAlaMetArgTyrTyrTrpLysArgGlyIleLeu 343
|| :|||||:|||||:|||||:|||||:|||||:|||||:
955 AAACATGGGACGACGCTTGTGATCTACTACCAAGGGGAATCTTGCA 1004
344 ArgValAspGlyArgArgLeuValTyrLysPhe 354
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1005 AAGTTGAAGACAGAGGCTGTATATCACTTC 1037
seq_name: /cgn2_6/plodata/2/lna/6B.COMB.seq:US-09-360-779-1.

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seq_documentation_block:

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Sequence 1, Application US/09360779
Patent No. 6268216
GENERAL INFORMATION:
APPLICANT: Denertis, Evan S.
APPLICANT: Pyodoro, Dmitry V.
APPLICANT: Hendricks, Timothy J.
TITLE OF INVENTION: Reagents and Methods for the Screening of Compounds
FILE REFERENCE: Case-03828
CURRENT FILING DATE: 1999-07-26
EARLIER APPLICATION NUMBER: 60/094,264
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 1752
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: CDS
LOCATION: (112)..(1131)
US-09-360-779-1

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alignment_scores:
Quality: 234.50      Length: 259
Ratio: 1.737         Gaps: 12
Percent Similarity: 52.124   Percent Identity: 29.344

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alignment_block:

US-08-978-217-2 x US-09-360-779-1 ..

Align seg 1/1 to: US-09-360-779-1 from: 1 to: 1752

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116 ProLeuGlyAspGlnLeuHisAla.....GlnLeuArgAspLe 128
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133 CCTGTGGGGAGAGGGTCCAGCCGCCACCCCTCAGCCCATCCCT 182
128 urTr.....SerSerSerAspGlyLeuSerTyrPheIleGlnLeu 143
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
183 CACAGCTCACTCTCCAGTACACCGGACCGGATGGCT..... 222
143 euGlnLysAspGlyMetAlaPheGlnGlnAlaLeuAspProGlyProPhe 159
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
223 .....GGGATGCAGCTCCAGAGACCCCTCCCTCT.....CACAC 258
160 AspGlnGlySerProPheAlaGlnGlnLeuLeuAspAspGlyGlnGln 176
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
259 ACCCTGGCTCCGCTCCCGCCAGGCTTTCGGAGCCGCGGCTCTAC 308
176 aSerProTyrHisProGlySerCysGlyAlaGlyAlaProSerProGly 193
|||||:|||||:|||||:|||||:|||||:|||||:|||||:
309 TCTTCCCTGTCCACCAACAGTCAACGAGGCGGTATTCGACCCCAAGC 358
193 erSer.....AspValSerThrAlaGlyThrGlyAlaSerArg 205
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359 CAAGCGTGAAGTGTCCCGCCCGCGGGTCCCGCCCATCTCCACAGCGCCAG 408
206 SerSerHisSerSerAspSerLysLysSerAspValAspLeu..... 219
||| : : : : : |||
409 TCCCGCGAGCGATGAGACAGGCGCGCATCTCCAGCCCTGCGATCAA 458
220 AspProThrAspGlyLysLeuPheProSerAspGlyP 222
||| ||| : : : |||
459 CATGTACCTACCAAGATCCCGTCGAGATGCTTTT..... 495
232 heartAspCysLysLysGlyAspProLysHisGlyLysArgLysArgGly 248
496 AAGAAAGGGAAG..... 507
249 ArgProArgLysLeuSerLysGlyTyrTrpAspCysLeuGlyLysLys 265
508 AGCCGAGCTGG..... GGGCCGCT 527
265 sSerLysHisAlaProArgGlyThr..... HisLeuTrpLupheI 279
||| : : : : : |||
528 GAGCCCTGCGGTACAAAGGACGGCGGACATGCAGTTGGCGAGTTTC 577
279 leaArgAspLeuLeuLeuHisProGluLeuAsnGluGlyLeuMetLysTrp 295
: : : : : : : : : : : |||
578 TACTGGAGCTGTGGCA... GACCGCGGGAACCGCGCTGCATGCGCTGG 624
296 GluAsnArgHisGluGlyAlaPheLysPheLeuArgSerGluAlaValAl 312
||| : : : : : |||
625 GAGCGGGGGCCAC... GCGCAGTGTCAAGCTCACCGACCCCGAGCGTGGC 671
312 agnLeuTrpGlyGluLysLysAsnSerAsnMetThrTyrGlyLysL 329
: : : : : : : : : : : |||
672 GCGACGCTGGGGGAGCGCAAGACGACCAAGCCCAATRTGACTACACAAAGC 721
329 euSerArgAlaMetArgTyrTyrTyrLysArgGluLeuGluArgVal 345
||| ||| : : : : : |||
722 TAAGTCGAGACACTGCGCTACTACTACGACAAAAAACATCATGACAAAGTG 771
346 AspGlyArgArgLeuValTyrLysPhe 354
772 CACGGCAAGCGCTACCGCTACCGCTTT 798

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seq_name: /cgn2_6/pdata/2/1na/6a.COMB.seq:US-09-344-579-1
; seq documentation block:
; Sequence 1, Application US/09344579
; Patent No. 6054316
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTSENSE MODULATION OF ETS-2 EXPRESSION
; FILE REFERENCE: RTS-0063
; CURRENT APPLICATION NUMBER: US/09/344,579
; CURRENT FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 2268
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (291)..(1700)
US-09-344-579-1
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[illegible]

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| 11 | PheserAsTtyPheserLaMethyIserSer..... | GlusAsSerTh | 25 | |
| 12 | | | | |
| 384 | TTTTGATGGGTCCCTGTTTCTCTTTTCTTCTCTTAATGAAAGAACCAAC | | 433 | |
| 25 | rIeuAlaSerValProProAlaAlaIathrPheGlyAlaAspAspleuValL | | 42 | |
| 434 | ACTGCAGAAAGTGGCCACA..... | GGCTTGGATTCCATTTC | 471 | |
| 42 | euthrIeuSerAsnProGlnMetSerIeu..... | | 51 | |
| 472 | ATGACTCCGCCCAACGTGTAATTGCTTTGTAAACCCGTGAGCAAGGCT | | 521 | |
| 52 | | GlugIYthGluYulysAlaSerTrpleuGly..... | 61 | |
| 522 | GTGATGAGTCAGCAACCTTAATAACTACTACTGAGTGGCTTCAAAAAGAAC | | 571 | |
| 62 | | GluginProGlnPheTrpSerIYstrGlnV | 72 | |
| 572 | GGGGGCCCTGGGCATTTCACAAAGACCCCTGGCTGTGGATGAGCAACAG | | 621 | |
| 72 | alIeuAspTrpIleSerTrpGlnValGluYAsnIYstrAspAlaSer | | 88 | |
| 622 | TATGCCAGTGGCTTCTCTGGCCACC..... | AAAGATGTCAGTGTGCTG | 665 | |
| 89 | AlaIleAspPheSerArgCysAspMetAspGlyAlaThrIleuCysAsnCy | | 105 | |
| 666 | AACGTGAATCTGCAGAGGTTGGCATGAATGCGCAGATGCTGTGAACCT | | 715 | |
| 105 | salAlaIeuGluGlu..... | LeuArgIeuValPheGlyProIeuGluYAspGlnL | 121 | |
| 716 | TGGCAGAGAACCCCTTCTGGACTGGCACCTGACTTGTGGGTGCATTC | | 765 | |
| 121 | euhIaIaGlnIeuArgAspIeuTrpSerSerSerAspLu..... | | 135 | |
| 766 | TCTGGAGACATCTGCAGCAATGATGATCAAAAGAACCCAAAGAACAGAA | | 815 | |
| 136 | | IeuSerTrpIleIleGluIleuLeuGlu | 144 | |
| 816 | GATCATATATGAGAAATAATTACACACTCACCTCGTCTCATTTGATGATTAA | | 865 | |
| 144 | uIyAsp..... | GlumetAlap | 150 | |
| 866 | CAGCAATACATTAGTGTTTGGCAGACAGCAGCGCCCTATGAGATGCAGA | | 915 | |
| 150 | heGlnGluAlaIeuAspProGlyProPheAspGlnGlySerProPheAla | | 166 | |
| 916 | CACAGATTAACCCAAAGCGGCTCTGGACAGCATGTGTCGGCCCTCC | | 965 | |
| 167 | GlnGluIleuIeuAspAspGlyGlnGlnAlaIaSerProTrpHisProGlySe | | 183 | |
| 966 | ACACCACAGGTACTCAGCTCAGCAGAGGAGTTTCAGATGTTCCCAATGC | | 1015 | |
| 183 | r..... | CysGlyAlaGlyAlaProSerP | 191 | |
| 1016 | TGGGCTCAGACTCCGTCACAGGTGACTACTGCTCTGTCACTAGCACTTCC | | 1065 | |
| 191 | roGlySerSer..... | AspValSerThrAlaGlyIYthrGlyAlaIaSerArgSer | 206 | |
| 1066 | CAGGCGCAACTTGAATTTGCTTCACCAACAAATTTGGGAGCTCCCAAA..... | | 1112 | |
| 207 | SerHisSerSerAspSerGlyIYserIaSerAspValAspIleuAspProThrAs | | 223 | |
| 1113 | GCACACAGACTCCCTCGAGACAGCGTGGGAC..... | ACCTTCGAGAGCTCAGA | 1158 | |
| 223 | pGlyIYsIeu..... | | 226 | |
| 1160 | CTCCCTCTCTCCAGTCTCTGGAACAGCAGTCGTCCTGTGATGTCGAAC | | 1209 | |
| 227 | ..PheProSer..... | AspGlyPheArg..... | AspCysIYsIeGlyAspPro | 240 |
| 1210 | GGGTTCTCTTTCAGAGCTTTCGGAAGATGTGGACGCAG..... | | 1250 | |

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241 LysHisGlyArgLysArgGlyArgProArgLysLeuSerLysGluTy 257
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1251 .....TCTCTGCTCAATTAACCAACCATGCTTTCAAGGATTA 1291
257 rTrpAspCysLeuGluGlyLysSerLysHisAlaProArgGly... 272
      ::::::::::::::::::::
1292 CATCCAA.....GAGAGAGTGAACCCAGTGGAGCAAGGCAAAC 1329
273 .....Thr 273
1330 CAGTTATACCTGCAGCTGTGCTGCGGCTTCACAGAGAGGACCTATT 1379
274 HisLeuTrpGluPheLeuArgAspIleLeuHisProGluLeuAsnG 290
      ::::::::::::::::::::
1380 CAGCTGTGCGAGTTCTCTGAGCTGCTATCAACAATCCTCC...CA 1426
290 uGlyLeuMetLysTrpGluAsnArgHisGluGly...ValPheLysPhe 306
      ::::::::::::::::::::
1427 GTCATTCATCAGCTGAGCTGGA.....GACGATGGAGAGTTTAAGCTCG 1470
306 euArgSerGluAlaValAlaGlnLeuTrpGlyGluLysLysAsnSer 322
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323 AsnMetThrTyrgLysLysLeuSerArgAlaMetArgTyrgLysAr 339
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1521 AAGATGAACACGAGAGAGCTGAGCGGCGCTTACGTAATATACGACA 1570
339 gGluIleLeuGluArgValAspGlyArgGluValTyrgLysPheGly 355
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1571 GAACATCATCCACAAAGAGCTGGGGAAGCGCTACGCTACCGCTTCGTGT 1620
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1621 GCGACCTCCAGAACTTCTGCGGCTTCACGCCCGAGAGACTG 1661
seq_name: /cgn2.6/plodata/2/lna/5A.COMB.seq:US-08-306-691B-43
seq_documentation_block:
: Sequence 43, Application US/08306691B
: Patent No. 5734039
: GENERAL INFORMATION:
: APPLICANT: Calabretta, Bruno
: APPLICANT: Skorski, Tomasz
: TITLE OF INVENTION: ANTISENSE
: TITLE OF INVENTION: OLIGONUCLEOTIDES TARGETING COOPERATING ONCOGENES
: NUMBER OF SEQUENCES: 55
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Seidel, Gonda, Lavoragna & Monaco, P.C.
: STREET: Two Penn Center, Suite 1800
: CITY: Philadelphia
: STATE: Pennsylvania
: COUNTRY: U.S.A.
: ZIP: 19102
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
: COMPUTER: IBM PS/2
: OPERATING SYSTEM: MS-DOS
: SOFTWARE: Wordperfect 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/306,691B
: FILING DATE: September 15, 1994
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Monaco, Daniel A.
: REGISTRATION NUMBER: 30,480
: REFERENCE/DOCKET NUMBER: 8321-8
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (215) 568-8383

```

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: TELEFAX: (215) 568-5549
: TELEX: NO. 5734039E
: INFORMATION FOR SEQ ID NO: 43:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1604 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
US-08-306-691B-43

alignment_scores:
      Quality: 228.00      Length: 435
      Ratio: 1.060      Gaps: 20
      Percent Similarity: 49.425      Percent Identity: 23.218

alignment_block:
US-08-978-217-2 x US-08-306-691B-43 ..

Align seq 1/1 to: US-08-306-691B-43 from: 1 to: 1604

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345 CTTTCCCTCCCGGATGATGATGTCAGATGCCA..... 383
34 rPheGlyAlaAspAspLeuValLeuThrLeuSerAsnProGluMetSer 51
      ::::::::::::::::::::
384 .....CTATTAACTCCAGACAGCAAGAAATGATGT 414
51 euGluGly.....ThrGluLysAlaSerTrp 59
      ::::::::::::::::::::
415 CTCAGCATTAATAAGCTACTTTCAGTGTGTTCACTAAAGAACAGCA 464
60 LeuGly.....GluGlnProGlnPheTrpSerLysThrGlnValLeuAs 74
      ::::::::::::::::::::
465 CTGGGGATCCCAAGACGCCCGGCGAGTGACAGAAACCATGTTGGGA 514
74 pTrpIleSerTyrgLysAlaGluLysAsnLysTyrgAspAlaSerAlaIle 91
      ::::::::::::::::::::
515 CTGGGATGATGGGCTGTG.....ATGAATTCAGCCTGAAGGTGTAG 558
91 sPheSerArgCysAspMetAspGlyAlaThrLeuGly..... 103
      ::::::::::::::::::::
559 ACTTCCAGAACTCTGTATGAATGAGACACCTCTGCGGCTGAGTAA 608
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609 GACTGCTTCTCGAG.....CTGGCCCAAGCTTTGTGGGACAT 649
120 nLeuHisAlaGlnLeuArgAspLeu..... 128
      ::::::::::::::::::::
650 CTTATGGAGACATCTAGATCCGAGAAAGAGATGTGAACCATATC 699
129 .....ThrSerSerSerAspGluLeuSerTrpIleIleGlu 141
      ::::::::::::::::::::
700 AAGTTAATGAGTCACACCCAGCTATCCAGATCCGCTTATACCTGCAT 749
142 LeuLeuGluLysAspGlyMetAlaPheGlnGluAlaLeuAspProGlyPr 158
      ::::::::::::::::::::
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      ::::::::::::::::::::
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900 GTCATTCTCCGAGACCTCTCCAGACAGACACCTTGACAGATGACTACTT 949

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181 .....ProGlySerCysGlyAlaGlyAlaP 189
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189 roserProGly.....SerSerAspValSer 197
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1000 CCACTCTGTGTAACCTGGGGCCAGAGACTCTTTTGAACGATAGAGAGC 1049
198 ThrAlaGlyThrGlyAlaSerArgSerSerHisSerSerArgLysL 214
    |||
1050 TAGCATATGTTGTATCCCTCACCACACTCTCTGGAGAGCCAGCATCTTT 1099
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1100 CAACAGCCTGCAGAGTGTCCCTCC.....TATGACAGCTTCG 1137
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248 GlyArgProArgLysLeuSerLysGlyTyr...TyrAspCysLeuGly 263
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263 yLysLysSerLys.....HisAlaP 270
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270 roargGly...ThrHisLeuThrGlyLysLeuPheLeuArgLysLeuHis 285
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286 ProGlyLeuAsnGlyLysLeuMetLysTrpLeuAsnArgHisGlyLys 301
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1361 GAATTCATAACTTCTGACCCAGATGAGTGGCCAGAGATGGGAGAAAGA 1410
318 yLysLysAsnSerAsnMetThrTyrGlyLysLeuSerArgAlaMetArg 334
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1411 GGAACAAACCAACCTAAGATGATATGAAACCTGACCGCTGCTGACGC 1460
335 TyrTyrTyrLysArgGlyLeuLeuGlyArgValAspGlyArgArgLeu 351
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1461 TACTATTACGACAAACATCATCATCACAAGACAGCGGGAACCTTACGT 1510
351 LyrLysPheGly.....LysAsnSerSerGlyTyrLysGlyLysL 365
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seq_documentation_block:
; Sequence 9, Application PC/TUS9306251
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric and Rife, Jason P.
; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
; TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSER: SCUDLY, SCOTT, MURPHY & PRESSER
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: NY
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06251
; FILING DATE: 19930630
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Digilio, Frank S.
; REGISTRATION NUMBER: 31,346
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-742-4343
; TELEFAX: 516-742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1604 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; PCT-US93-06251-9

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    Percent Similarity: 49.425      Percent Identity: 23.218

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34 rPheGlyAlaAspAspLeuValLeuThrLeuSerAsnProGlyMetSerL 51
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384 .....CTATTACTCCAGACGAGAAAGAAATGATGT 414
51 euGlyLys.....ThrGlyLysAlaSerTrp 59
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60 LeuGly.....GlyInProGlyPheTrpSerLysThrGlyValLeuAs 74
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91 sPheSerArgCysAspMetAspGlyAlaThrLeuLys..... 103
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